

**AMENDMENTS TO THE CLAIMS:**

The claims are not further amended, and are presented below for the convenience of the Examiner.

**Listing of Claims:**

1. (Previously Presented) A system comprising:

a plurality of terminal equipment configured to communicate with one another using end-to-end encryption, where at least one of the plurality of terminal equipment functions as a special server terminal device configured to manage and distribute encryption applications and encryption parameters based on an established criterion to other pieces of the plurality of terminal equipment, where the encryption applications and encryption parameters are used during the end-to-end encryption, and

where each of said plurality of terminal equipment comprises:

a codec configured to convert an audio signal into a dataflow and vice versa, where the terminal equipment is configured to download the encryption applications and encryption parameters from said special terminal device via at least one interface, said terminal equipment further comprising

a module configured to manage the download of the encryption applications and encryption parameters,

an encryption key stream generator configured to generate a key stream segment with said encryption parameters,

a processor configured to encrypt the dataflow and decrypt the encrypted dataflow with the generated key stream segment,

wherein the module is configured to synchronize the encrypted dataflow and to de-synchronize the synchronization.

2. (Previously Presented) A system according to claim 1, wherein the terminal

equipment is configured to run applications of a java 2 platform micro edition specification with said processor.

3. (Previously Presented) A system according to claim 2, wherein the terminal equipment is configured in accordance with a mobile information device profile specification.

4. (Previously Presented) A system according to claim 1, wherein the downloading of the encryption applications and the encryption parameters at the terminal equipment is arranged to take place in a self-organizing manner-with short data service messages.

5. (Previously Presented) An apparatus, comprising at least functionalities, where:  
a processor is configured to carry out encryption,  
one or more modules is configured to carry out synchronization,  
a module is configured to receive and manage at least encryption keys, and  
where the apparatus is configured to download encryption applications and encryption parameters via at least one interface,

wherein at least one of said functionalities to carry out end-to-end encrypted communication with another apparatus is implemented using the encryption applications and the encryption parameters at a software level.

6. (Previously Presented) The apparatus according to claim 5, wherein said encryption applications and the encryption parameters are configured to arrange command functionality at least at an interface between a subscriber identity module and a terminal equipment through a mobile information device profile application protocol programming interface.

7. (Previously Presented) A method, comprising:  
receiving from a data communication network information comprising at least one of encryption applications and encryption parameters comprising at least one encryption key;  
and  
executing the at least one of encryption applications and the encryption parameters to control

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the operation of a terminal equipment in order to implement secure end-to-end data communication with another terminal equipment using the at least one encryption key.

8. (Previously Presented) The method of claim 7, where the at least one of encryption applications and the encryption parameters are stored in a subscriber identity module on the terminal equipment, and the at least one of encryption applications is executed to arrange command functionality between the subscriber identity module and the terminal equipment through a programming interface of the application.

9. (Previously Presented) The method of claim 7, wherein receiving the at least one of encryption applications and the encryption parameters is arranged to take place in a self-organizing manner with short data service messages.

10. (Previously Presented) The method of claim 7 implemented in a wireless terminal equipment.

11. (Previously Presented) A method, comprising:  
managing at least one of encryption applications and encryption parameters concerning a data communication network; and  
distributing the at least one of encryption applications and the encryption parameters based on an established criterion to pieces of terminal equipment.